

NR566 Week 1 Quiz – Questions & Correct Answers

1. Which statement about acyclovir is accurate?

Correct Answer: It inhibits viral DNA synthesis, reducing replication.

2. A wound swab grows typical skin flora with no infection signs. Best action?

Correct Answer: Do not treat with antimicrobials.

3. When is a broad-spectrum antibiotic most appropriate?

Correct Answer: When the causative pathogen is unknown.

4. Which statement shows an accurate mechanism of action?

Correct Answer: Aminoglycosides cause lethal inhibition of bacterial protein synthesis.

5. Which scenario most likely represents an aspergilloma?

Correct Answer: A discrete fungus ball in lungs or sinuses on imaging.

6. After empiric therapy, cultures show a single susceptible pathogen. Best stewardship action?

Correct Answer: De-escalate to a narrow-spectrum agent.

7. Best oseltamivir plan for nursing home influenza exposure?

Correct Answer: 75 mg once daily for up to 42 days.

8. Which statement about herpes viruses is accurate?

Correct Answer: VZV causes chickenpox and reactivates later as shingles.

9. Accurate statement about azoles in older adults?

Correct Answer: Azoles increase levels of warfarin, phenytoin, and oral hypoglycemics.

10. Why is aspergillosis opportunistic?

Correct Answer: It develops in people with weakened immunity.

11. How does oseltamivir work?

Correct Answer: Inhibits viral neuraminidase, preventing release of new virions.

12. Goal of antivirals in high-risk nonhospitalized COVID-19?

Correct Answer: Alleviate symptoms and prevent progression to severe disease.

13. Which agent disrupts bacterial DNA/RNA synthesis?

Correct Answer: Ciprofloxacin.

14. Appropriate starting dose of itraconazole in pediatrics?

Correct Answer: 5 mg/kg twice daily.

15. Correct drug–mechanism pairing?

Correct Answer: Amphotericin B increases cell membrane permeability.

16. Management of mild COVID-19 in healthy young adult?

Correct Answer: Supportive care with OTC medications.

17. Viral URI requesting antibiotics – best approach?

Correct Answer: No antimicrobials; provide symptomatic care.

18. Key advantage of narrow-spectrum therapy?